

# Les Atlas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11059586/publications.pdf>

Version: 2024-02-01

31  
papers

1,493  
citations

1307594

7  
h-index

1281871

11  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1179  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Improving generalization with active learning. Machine Learning, 1994, 15, 201-221.   | 5.4 | 867       |
| 2  | Improving Generalization with Active Learning. Machine Learning, 1994, 15, 201-221.   | 5.4 | 307       |
| 3  | Time-Frequency Coherent Modulation Filtering of Nonstationary Signals. IEEE Transactions on Signal Processing, 2009, 57, 4323-4332.   | 5.3 | 48        |
| 4  | Disaggregated water sensing from a single, pressure-based sensor: An extended analysis of HydroSense using staged experiments. Pervasive and Mobile Computing, 2012, 8, 82-102. | 3.3 | 42        |
| 5  | Single-Channel Source Separation Using Complex Matrix Factorization. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 2591-2597.                            | 3.2 | 32        |
| 6  | A Longitudinal Study of Pressure Sensing to Infer Real-World Water Usage Events in the Home. Lecture Notes in Computer Science, 2011, , 50-69.                                  | 1.3 | 28        |
| 7  | Single-channel source separation using simplified-training complex matrix factorization. , 2010, , .  |     | 22        |
| 8  | Building recurrent networks by unfolding iterative thresholding for sequential sparse recovery. , 2017, , .   |     | 21        |
| 9  | Perceptual Feature Identification for Active Sonar Echoes. , 2006, , .  |     | 16        |
| 10 | Multiband analysis for colored amplitude-modulated ship noise. , 2010, , .  |     | 15        |
| 11 | Deep recurrent NMF for speech separation by unfolding iterative thresholding. , 2017, , .   |     | 13        |
| 12 | Voice activity detection using subband noncircularity. , 2015, , .  |     | 11        |
| 13 | Speech Analysis With the Strong Uncorrelating Transform. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1858-1868.                                    | 5.8 | 10        |
| 14 | Harmonic coherent demodulation for improving sound coding in cochlear implants. , 2010, , .   |     | 8         |
| 15 | A sum-of-products model for effective coherent modulation filtering. , 2009, , .  |     | 7         |
| 16 | Existence and estimation of impropriety in real rhythmic signals. , 2012, , .   |     | 7         |
| 17 | Coherent modulation filtering for speech. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .                               | 1.8 | 6         |
| 18 | Extending coherence time for analysis of modulated random processes. , 2014, , .  |     | 6         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | An alternative approach for auditory attention tracking using single-trial EEG. , 2016, , .   |     | 6         |
| 20 | Modulation decompositions for the interpolation of long gaps in acoustic signals. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .           | 1.8 | 5         |
| 21 | Constrained robust submodular sensor selection with application to multistatic sonar arrays. IET Radar, Sonar and Navigation, 2017, 11, 1776-1781.  | 1.8 | 4         |
| 22 | Beamforming Alternatives for Multi-Channel Transient Acoustic Event Classification. , 2007, , .   |     | 2         |
| 23 | Air-coupled ultrasound time-of-flight estimation for shipping container cargo verification. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , . | 1.8 | 2         |
| 24 | On spectral noncircularity of natural signals. , 2016, , .  |     | 2         |
| 25 | Cepstral mean based speech source discrimination. , 2010, , .   |     | 1         |
| 26 | Call and component evaluation for improved performance of recognition of killer whale individuals. , 2010, , .  |     | 1         |
| 27 | A novel approach using modulation features for multiphone-based speech recognition. , 2011, , .   |     | 1         |
| 28 | Complementary envelope estimation for frequency-modulated random signals. , 2013, , .   |     | 1         |
| 29 | Extending coherence for optimal detection of nonstationary harmonic signals. , 2014, , .  |     | 1         |
| 30 | Benefits of noncircular statistics for nonstationary signals. , 2016, , .   |     | 1         |
| 31 | Regression Factor Analysis With an Application to Continuous HRIR Measurement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 415-421.                                    | 5.8 | 0         |